BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 4 inBagalgunte Ward no 14
Job Code No:-014-22-000002
Agreement No:EE/Ele/DZ/TEND/AGR/000012/2021-22 Date:31.03.2022
Reference to Supplementatry Agreement No: EE/Ele/DZ/TEND/SAG/24/22-23 Date:24.03.2023
Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000004/2022-23 Date:04-04-2022
Reference to Supplementatry Work order No:- EE/Ele/DZ/TEND/SWO/30/22--23 Date:24.03.2023
Reference to Supplementary Agreement No: EE/Ele/DZ/TEND/SAG/II/04/2023-24 Date:15.03.2024
Reference to Supplementary Work order No:- EE/Ele/DZ/TEND/SWO/II/04/2023-24 Date:15.03.2024
Estimate Amount:Rs.4300000.00
EE/(Elec)/DZ/TEND/AS/13/2021-22 Date:21-03-2022
EE/(Elec)/DZ/TEND/TS/126/2021-22 Date:05-01-2022
Name of Contractror of nature of Agency:- M/s. Chowdeshwari Electricals
Measurement Book No: **Page No:** 6899 **Date:** 03/7/2024
Bill NO : 30 RA Bill **Bill Period :-01.06.2024 to 30.06.2024**

Sl. No.	Description	Unit	Period 1Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	0	685.00	57.08	0.00
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	104	756	63.00	6552
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	2642	1010	84.16	222350.72
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						

04/7/24

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

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4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	128	1118	93.16	11924.40
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	168	880	73.33	12319.44
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	265	1147	95.58	25328.70
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	121	1377	114.75	13884.75
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
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	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575	131.25	0
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1871	155.91	0
	No of complaints attended for the period of 01.06.2024 to 30.06.2024						
	Supply and Installation / Fixing /,Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm	Each	1	0	5127	5120.00	0
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	7200	7100.00	0
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP	Each	0	0	723	720.00	0
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	0	0	4030	4000.00	0

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14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments.6 sqmm	Mtr	0	0	70	65.00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Each	0	0	7	7.00	0
							292360.09
	TOTAL				12%	35083	257276.81
	Add GST 18%				18%	46410	303506.72
	TOTAL Rs				28%	0	0.00
						0.00	303506.72
	Fine imposed for non burning of street lights For the period of 01.06.2024 TO 30.06.2024						800.00
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						6071.73
	GRAND TOTAL						296714.90

CERTIFICATE

1.This is to certify that the work done is satiefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

Asst.Executive Engineer(Elec)
Dasrahalli Division

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike.
Dasarahalli Zone, Bangalore

EE (Ele)